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TEST RESULTS OF STEEL

Lab ID : **CP-2018-10-22-04** **Date: 23-10-18**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-10-18

Sample ID No : 2018-10-22-04 /04

Sample Type : Sunvik

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.

Date of test: : 22-10-18

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	528	643	21.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.612	549	655	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.883	563	672	20.0%	Satisfactory	Satisfactory

Note:

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R KARTHIK RECHAN
Authorized Signatory
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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-10-22-04** **Date: 24-10-2018**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.
Agency	:	Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032
Customer's Reference	:	BBMP/EE/BTP/WO/147/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-10-2018
Sample ID No	:	2018-10-22-04 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	22-10-2018
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.89	–
2	Finess by Air permeablity method (m^2/kg,Min)	274.6	225m^2/kg, Min
3	Density (gm/cc)	3.18	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	125 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

Note:

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-10-22-04** **Date: 19-11-2018**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.
Agency	:	Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032
Customer's Reference	:	BBMP/EE/BTP/WO/147/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-10-2018
Sample ID No	:	2018-10-22-04 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	22-10-2018
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	56.0N/mm^2	Not less than 53 N/mm^2

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-10-22-04** **Date: 24-10-2018**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.
Agency	:	Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032
Customer's Reference	:	BBMP/EE/BTP/WO/147/2018-19
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	22-10-2018
Sample ID No	:	2018-10-22-04 /02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	22-10-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	253	253	1.7	98.3	90-100
3	20 mm	5527	5780	38.5	61.5	30-70
4	10 mm	5836	11616	77.4	22.6	10-35
5	4.75 mm	2846	14462	96.4	3.6	0-5
6	Pan	538	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-10-22-04** **Date: 24-10-2018**

Sample ID No : 2018-10-22-04 /02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	**10.2**	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	**11.3**	
3	Specific Gravity	**2.66**	_
4	Bulk Density(Loose) (Kg/l)	**1.48**	_
5	Bulk Density(Compacted) (Kg/l)	**1.50**	_
6	Water Absorption(%)	**0.12**	_

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-10-22-04** **Date: 24-10-2018**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.
Agency	:	Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032
Customer Reference	:	BBMP/EE/BTP/WO/147/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-10-2018
Sample ID No	:	2018-10-22-04 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	22-10-2018

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	225	225	4.5	95.5	90-100
3	10 mm	2585	2810	56.2	43.8	25-55
4	4.75 mm	1955	4765	95.3	4.7	0-10
5	Pan	235	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-10-22-04** **Date: 24-10-2018**

Sample ID No : 2018-10-22-04 /02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.5	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.3	
3	Specific Gravity	2.63	–
4	Bulk Density(Loose) (Kg/l)	1.42	–
5	Bulk Density(Compacted) (Kg/l)	1.48	–
6	Water Absorption(%)	0.31	–
7	Aggregate crushing Value(%)	26.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	27.3	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-10-22-04** **Date: 24-10-2018**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-10-2018

Sample ID No : 2018-10-22-04 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 22-10-2018

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	38	38	3.8	96.2	90-100	90-100	90-100	95-100
3	2.36 mm	190	228	22.8	77.2	60-95	75-100	85-100	95-100
4	1.18 mm	203	431	43.1	56.9	30-70	55-90	75-100	90-100
5	600 micron	197	628	62.8	37.2	15-34	35-59	60-79	80-100
6	300 micron	123	751	75.1	24.9	5-20	8-30	12-40	15-50
7	150 micron	168	919	91.9	8.1	0-10	0-10	0-10	0-15
8	Pan	81	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

Page 1/2

Asst Ex. Engr
AE(KSI)

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-10-22-04** **Date: 24-10-2018**

Sample ID No : 2018-10-22-04 /03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.79	–
2	Specific Gravity	2.55	–
3	Material finer than 75 micron(%)	7.7	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-10-27-02** **Date: 02/11/2018**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-10-2018

Sample ID No : 2018-10-27-02 /01

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	25/10/2018	01/11/2018	150.64 X 151.35 X 152.44	22799	8.219	280.4	12.3	12.2
2	PCC	M15	25/10/2018	01/11/2018	151.36 X 149.68 X 150.37	22656	8.186	269.6	11.9	
3	PCC	M15	25/10/2018	01/11/2018	151.38 X 149.69 X 151.36	22660	8.228	281.0	12.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-10-27-02** **Date: 02/11/2018**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-10-2018

Sample ID No : 2018-10-27-02 /02

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	25/10/2018	01/11/2018	151.22 X 150.60 X 149.77	22774	8.177	257.3	11.3	11.5
2	PCC	M15	25/10/2018	01/11/2018	151.33 X 150.75 X 151.22	22813	8.143	269.2	11.8	
3	PCC	M15	25/10/2018	01/11/2018	150.73 X 149.89 X 159.87	22593	8.225	259.8	11.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-10-29-02** **Date: 03/11/2018**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-10-2018

Sample ID No : 2018-10-29-02 /03

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	27/10/2018	03/11/2018	150.20 X 150.32 X 150.14	22578	8.276	388.3	17.2	17.5
2	Drain Concrete	M20	27/10/2018	03/11/2018	150.53 X 150.33 X 150.21	22629	8.288	373.4	16.5	
3	Drain Concrete	M20	27/10/2018	03/11/2018	150.11 X 150.53 X 150.22	22596	8.198	427.1	18.9	

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Asstt. E.E
AE(W2)

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-10-29-02** **Date: 03/11/2018**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-10-2018

Sample ID No : 2018-10-29-02 /04

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	27/10/2018	03/11/2018	149.38 X 150.74 X 151.22	22518	8.254	385.0	17.1	17.2
2	Drain Concrete	M20	27/10/2018	03/11/2018	150.37 X 151.22 X 150.63	22739	8.062	386.6	17.0	
3	Drain Concrete	M20	27/10/2018	03/11/2018	149.68 X 151.26 X 152.62	22641	8.271	393.9	17.4	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

AE(KH)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

CIVIL Pro Sig. Date BANGALORE

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-10-29-02** **Date: 03/11/2018**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-10-2018

Sample ID No : 2018-10-29-02 /05

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	27/10/2018	03/11/2018	150.11 X 150.32 X 150.54	22565	8.138	388.1	17.2	16.9
2	Drain Concrete	M20	27/10/2018	03/11/2018	150.22 X 150.76 X 150.11	22647	8.230	373.7	16.5	
3	Drain Concrete	M20	27/10/2018	03/11/2018	150.13 X 150.21 X 150.44	22551	8.330	381.1	16.9	

Note:

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Approved
AE(W)

Assistant Executive Engineer,
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Yelahanka Zone, B.B.M.P.,
Bangalore.

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig. Date BANGALORE

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2018-10-22-04** **Date: 26-10-2018**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-10-2018

Sample ID No : 2018-10-22-04 /05

Sample Type /Size : 100mm Thick Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 22/10/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.48	100.03	1.398	4474	85.9	19.2	17.9	22.3
2	Cover Slab-2	75.44	100.02	1.366	4469	84.9	19.0	17.7	22.1
3	Cover Slab-3	75.43	100.05	1.358	4468	85.7	19.2	17.8	22.3

Note:

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AE(FI)

Assistant Executive Engineer,
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CIVIL PRO Sig..... Date..... BANGALORE

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2018-10-22-04** **Date: 26-10-2018**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to drains of main road of Hoodi Muneshwara layout in ward 07, Byatarayanapura.

Agency : Sri.N Lokanathreddy, No.5, 1st main road, 7th B Cross, Kaveri nagara A Block, Kavalbyrasandra, Bangalore-560 032

Customer's Reference : BBMP/EE/BTP/WO/147/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-10-2018

Sample ID No : 2018-10-22-04 /06

Sample Type /Size : 200mm Thick Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 22/10/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	150.02	200.05	2.485	17673	310.8	17.6	17.6	22.0
2	Cover Slab-2	150.03	200.01	2.465	17675	314.5	17.8	17.8	22.2
3	Cover Slab-3	150.01	200.03	2.411	17670	311.9	17.7	17.7	22.1

Note:

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Bangalore.

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